GENERAL INFORMATION

# General Identification of the VTR Controls

Standby/On

Tape eject button

LINE IN 2 VIDEO jack

LINE IN 2 AUDIO (L/MONO, R) jacks

Channel selection buttons

Rec button

Tape playing buttons

TO MAINS SUPPLY

SCART 2 (BLUE) SATELLITE (SA) (INPUT ONLY)

AERIAL INPUT (from Antenna)

SCART 1 AUDIO/VIDEO (INPUT & OUTPUT L)

AUDIO OUT R,L

AERIAL OUTPUT (to TV)

Cassette indicator

Video output indicator

NICAM Indicator

Sat.Moni. Indicator

VIDEO

NICAM MIX SAT

Rec/Timer programme

Tape speed indicator

Main video display

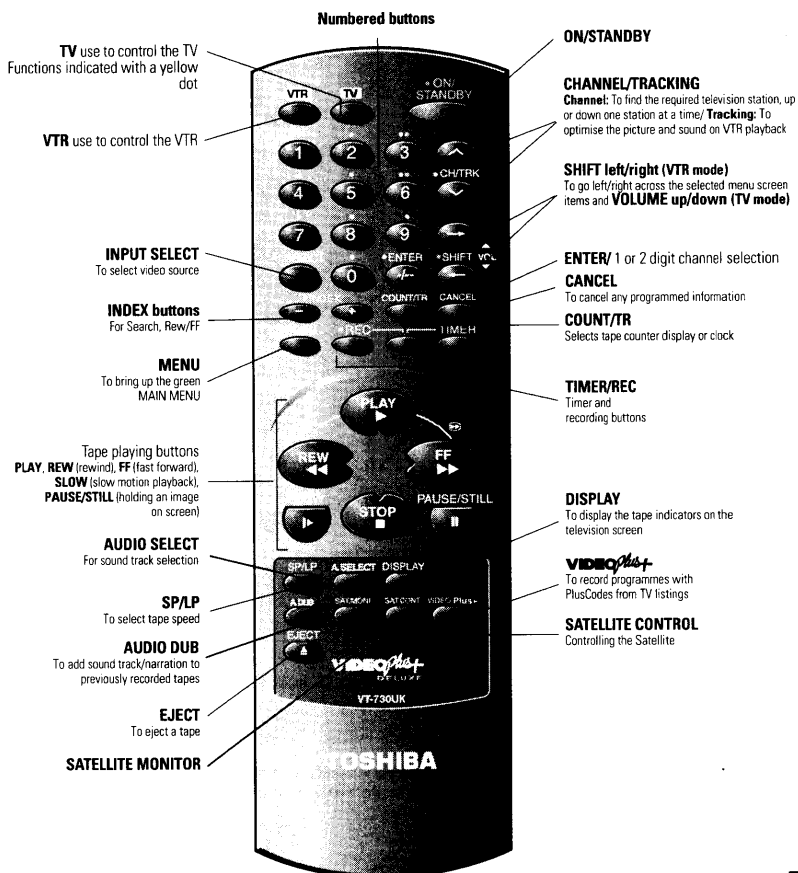Satellite indicator

L,R indicator

GENERAL INFORMATION

# Your Remote Control

The illustration below is to show a quick guide to the Remote Control. Detailed instructions occur throughout the book.

Numbered buttons

**TV** use to control the TV Functions indicated with a yellow dot

**VTR** use to control the VTR

**INPUT SELECT** To select video source

**INDEX buttons** For Search, Rew/FF

**MENU** To bring up the green MAIN MENU

Tape playing buttons **PLAY, REW** (rewind), **FF** (fast forward), **SLOW** (slow motion playback), **PAUSE/STILL** (holding an image on screen)

**AUDIO SELECT** For sound track selection

**SP/LP** To select tape speed

**AUDIO DUB** To add sound track/narration to previously recorded tapes

**EJECT** To eject a tape

**SATELLITE MONITOR**

**ON/STANDBY**

**CHANNEL/TRACKING**
**Channel:** To find the required television station, up or down one station at a time/ **Tracking:** To optimise the picture and sound on VTR playback

**SHIFT left/right (VTR mode)** To go left/right across the selected menu screen items and **VOLUME up/down (TV mode)**

**ENTER/** 1 or 2 digit channel selection

**CANCEL** To cancel any programmed information

**COUNT/TR** Selects tape counter display or clock

**TIMER/REC** Timer and recording buttons

**DISPLAY** To display the tape indicators on the television screen

**VIDEO plus+** To record programmes with PlusCodes from TV listings

**SATELLITE CONTROL** Controlling the Satellite

4

5

GENERAL INFORMATION

# Preparing your Remote Control

The Remote Control handset is needed to operate your new Toshiba video recorder. If used correctly, it should give years of trouble-free viewing. Please take good care of it, always observing the correct polarities when replacing the batteries.

Carefully open the battery compartment on the rear of the Remote Control by sliding in the direction of the arrow.

Insert both batteries taking care to observe the correct polarity (+ and –).

The 2 Toshiba batteries supplied are Cadmium- and Mercury-free (UM-4, AAA, IECR03, 1.5v).

Replace the cover of the battery compartment.

**CAUTION:**
**DO NOT** throw your batteries into a fire. Dispose of your batteries in a designated disposal area.
**DO NOT** mix an old battery with a new one.
**DO NOT** mix battery types.
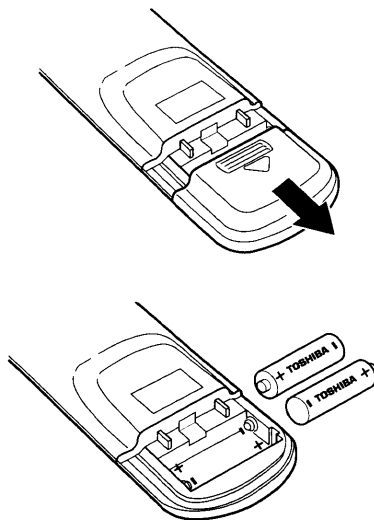
For optimum performance your Remote Control will operate within a distance of 7 metres and up to 30° from the central position.

If the Remote Control does not work, press the VTR button and make sure the batteries are in good working order.

7 m

30 °    30 °
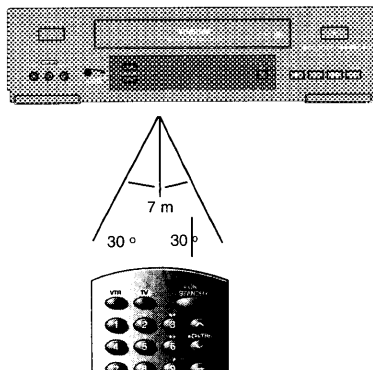
GETTING STARTED

# Connecting the Leads and Auto Set Up

When *first* connected to the mains electricity supply the VTR will automatically search and store TV stations in memory and also set the clock. But remember, you *must* connect the Aerial *before* connecting the VTR to the power supply.

*Satellite users:* Refer to section *SATELLITE CONTROL* starting on page 26.

**REMEMBER:**
**DO NOT PLUG THE VTR INTO THE MAINS UNTIL**
*AFTER* **YOU HAVE CONNECTED THE AERIAL CABLE AS SHOWN.**

SCART Lead

Power Cable

Aerial Cable

SATELLITE RECEIVER

VTR

Aerial Cable

SCART SATELLITE

Aerial Output (to TV)

SCART IN/OUT

Aerial Input (from Antenna)
**Remember, connect this first**
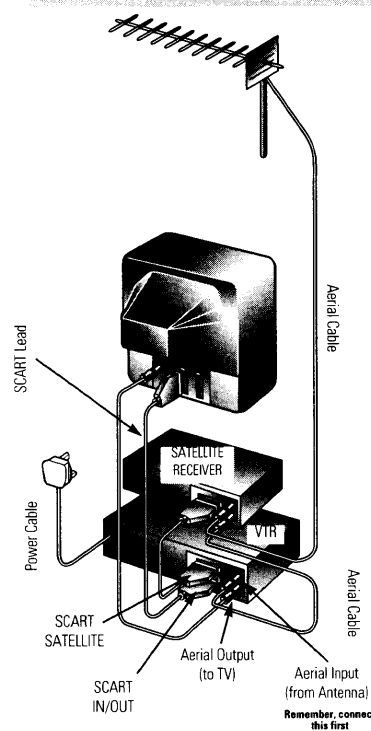
**NOTE:** WHERE POSSIBLE, ALWAYS CONNECT USING A SCART LEAD FOR IMPROVED SOUND AND PICTURE QUALITY.

1   Connect the Aerial Cable to the VTR (Aerial Input).

2   Connect another Aerial Cable from the VTR (Aerial Output) to the TV.

3   Connect a SCART Lead from the VTR to the TV as shown. Connecting via a SCART Lead will give better picture and sound quality. It will also enable the television to automatically switch over whenever a tape is played.

4   Connect the VTR to the power supply with the Power Cable.
The display on the VTR will flash 'AUTO' for about 2-4 minutes.

5   Now turn on the television.

If you have connected with a SCART Lead you will see various television stations appear and disappear on your television.

*Now turn the page to continue the Auto Set Up...*

If you get any problems contact the helpline...

# Auto Set Up continued

After connecting the Leads as on *page 7* and Auto Set Up has run, *one* of the following screens will be displayed. **If not, select the AV channel on the television manually.** If you have not connected the VTR using a SCART Lead select the channel on the TV that you normally watch videos on and tune this channel until you find one of these screens. Store this channel and select it every time you watch a video.

---

**For full details of tuning your TV, please refer to your TV Owner's Manual.**

**1** This screen will be displayed if **All Channels Found**. The numbers in the right hand column may be different.

Auto Set Up is now complete.

Press the MENU button twice on the Remote Control to automatically set the clock.

Go to *page 9, Checking the Auto Set Up.*

```
        AUTO SET UP
          CH P.    CH
BBC1       1 :     2 2
BBC2       2 :     2 8
ITV        3 :     2 5
CH4        4 :     3 2
C5         5 :     3 0
Auto Set Up Now Completed
Press  MENU  to Exit And
Automatically Set Clock
```

---

*Channel 5 is only available in some areas of the country (and the reception may be poor). If Channel 5 is not stored in position 5 check to see if it is stored in 7 or above and use the Channel Swapping function as detailed on Page 10. If Channel 5 has not been stored and all other channels have been, it is likely that channel 5 is not available in your area.*

**2** This screen will be displayed if **Some Channels Found.**

The VTR has been unable to find the channels identified by the white flashing squares. They may be stored in positions 7 and above.

Press the MENU button and refer to *Channel Swapping on page 10.*

```
        AUTO SET UP
          CH P.    CH
BBC1       1 :     2 2
BBC2       2 :     ▬▬
ITV        3 :     2 5
CH4        4 :     3 2
C5         5 :     ▬▬
Stations not identified
Check CH  P.7 and above
by pressing  MENU
```

---

If no channels are found the clock will not set automatically.

Press the MENU button and select CLOCK SET from the green MAIN MENU screen.

Using the number buttons on the Remote Control set the clock.

For single numbers press 0 first.
E.g. for April, which is 4, press 0 4.

Once the Date and Time have been set press the MENU button to exit.

**3** This screen will be displayed if **No Channels Found.**

The VTR has been unable to find any channels.
Check that the Aerial is connected correctly and press the number button 0 on the Remote Control.

If no channels are found a second time, see page 12, *Manual Tuning.*

```
        AUTO SET UP
          CH P.    CH
BBC1       1 :     - -
BBC2       2 :     - -
ITV        3 :     - -
CH4        4 :     - -
C5         5 :     - -
Check aerial is
connected and press 0
to try again
```

```
        AUTO SET UP
          CH P.    CH
BBC1       1 :     2 2
BBC2       2 :     ▬▬
ITV        3 :     2 5
CH4        4 :     3 2
C5         5 :     ▬▬
Still not working
Use manual tuning.
Press  MENU  to exit
```
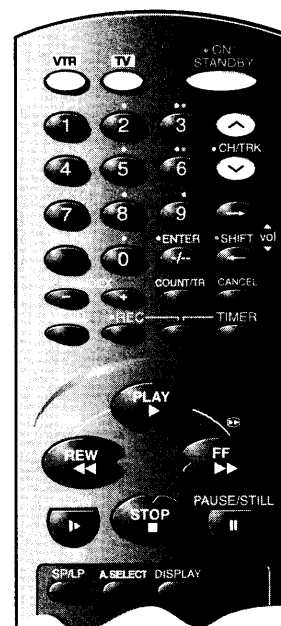
...If you get any problems contact the helpline

**8**

---

# Checking the Auto Set Up

It is important that you check Auto Set Up has stored the channels in the correct order on the VTR for the operation of

**VIDEO***Plus+*
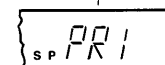
---

**1** Turn on the TV and select the channel on which you watch videos.

**2** Now turn on the VTR.

**3** Using the **CH/TRK** P Q buttons on the Remote Control, check that the order of the TV stations (the programme position number) stored on the VTR is as follows:

The programme position number will change as you press the **CH/TRK** P Q buttons.

*Programme position number*

| Program Position | TV Station |
|---|---|
| 1 | BBC1 |
| 2 | BBC2 |
| 3 | ITV |
| 4 | Channel 4 |
| 5 | Channel 5* |
| 6 | Satellite |

*(if you use a different order* **VIDEO***Plus+ will not work)*

Any other stations will be stored in program positions 7, 8, etc.

*\*Channel 5 is only available in some areas of the country (and the reception may be poor). If Channel 5 is not stored in position 5 check to see if it is stored in 7 or above and use the* Channel Swapping *function as detailed on Page 10. If Channel 5 has not been stored and all other channels have been it is likely that channel 5 is not available in your area.*

**Note:** *Regional variations –* from some areas of the country you may be able to receive broadcasts from more than one region.
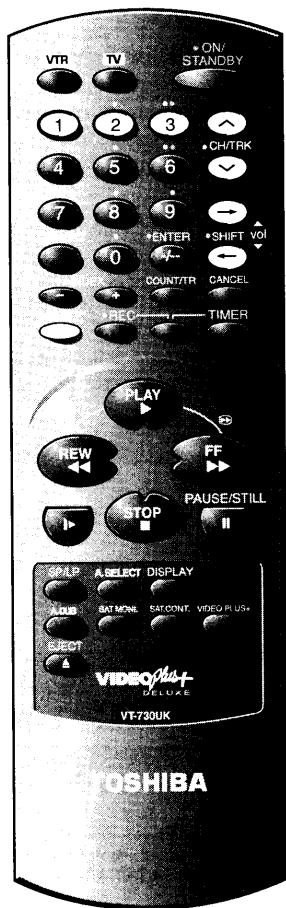
If your preferred regional broadcast is stored in position 7 or above please use the *Channel Swapping* facility as described on *page 10.*

## THE SET UP IS NOW COMPLETE

*You are now ready to PLAYBACK TAPES and MAKE RECORDINGS.*
Refer to the *BASIC OPERATION* section which starts on *page 14.*

**9**

## GETTING STARTED

# Channel Swapping

You only need to use this section if the VTR did not tune in all of the stations in Auto Set Up or if you want to select a different regional Broadcast on a channel position.

**1** Press the MENU button on the Remote Control to select the green MAIN MENU.

```
          MAIN MENU
  1 TIMER PROGRAMMING
  2 USER SETTING
  3 INSTALLATION
  4 CLOCK SET
  5 nexTViewLink SETTING

  Press 1 ~ 5 to select
  Press MENU to exit
```

**2** Press button 3 to select the blue INSTALLATION MENU.

```
        INSTALLATION MENU
  1 AUTO SET UP
  2 MANUAL SET UP
  3 SATELLITE SETTING
    SAT. CONNECTION   (I P.)
    SAT. BRAND NO.      ( 17 )
  4 VIDEO PLUS+ GUIDE CH

  Press 1 ~ 4 to select
  Press MENU to exit
```

**3** Press button 2 to select the blue MANUAL SET UP screen.

```
          MANUAL SET UP
  1 CH SWAPPING
  2 MANUAL TUNING
  3 RF OUT CHANNEL    (21)

  Press 1 ~ 3 to select
  Press MENU to exit
```

**4** Press button 1 to select CH SWAPPING. The Channel Swapping screen will appear superimposed over the TV picture.

**5** Press the **CH/TRK** ∧ or ∨ button on the Remote Control to find the station required (CH P.). The picture on the TV will change as you move up and down the channels.

**6** *E.g. If you were to find Channel 5 stored in position 7:* Select the new channel position (NEW CH P.) using the number buttons on the Remote Control, *e.g.* for *5* press number buttons 0 and 5.

```
          CH SWAPPING
  CH P.          NEW CH P.
   7              5

  CH P.  ∨ / ∧  to find station
  Select NEW CH P. press 0 ~ 9
  Press SHIFT  to swap
  Press MENU to exit
```

**7** Press **SHIFT** ➤ to swap the channels. The station now displayed has been saved in the channel position indicated on screen.

**8** Continue for all the other channels to be swapped. When all the missing stations have been found press the MENU button to exit and *see page 9, Checking the Auto Set Up.*

**10**

---

## GETTING STARTED

# Restarting Auto Set Up

If you ever need to re-run the Auto Set Up process, for example, if you move house, carry out the connections as detailed on *page 7* and re-start as described here.

If the Auto Set Up does not work check the Aerial connection to the VTR and from the VTR to the TV.
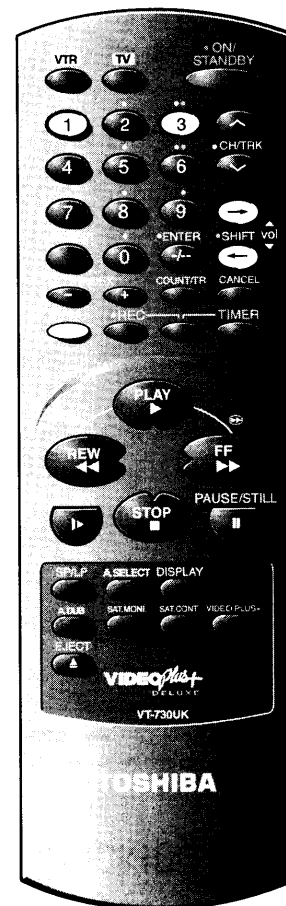
**1** Press the MENU button on the Remote Control to display the green MAIN MENU on the screen.

```
          MAIN MENU
  1 TIMER PROGRAMMING
  2 USER SETTING
  3 INSTALLATION
  4 CLOCK SET
  5 nexTViewLink SETTING

  Press 1 ~ 5 to select
  Press MENU to exit
```

**2** Press button 3 to select the blue INSTALLATION MENU.

```
        INSTALLATION MENU
  1 AUTO SET UP
  2 MANUAL SET UP
  3 SATELLITE SETTING
    SAT. CONNECTION   (I P.)
    SAT. BRAND NO.      ( 17 )
  4 VIDEO PLUS+ GUIDE CH

  Press 1 ~ 4 to select
  Press MENU to exit
```

**3** Press button 1 to select AUTO SET UP.

The AUTO SET UP screen comes up.

```
          AUTO SET UP
              CH P.      CH
  BBC1         1  :      22
  BBC2         2  :      28
  ITV          3  :      25
  CH4          4  :      32
  C5           5  :      30

  Press SHIFT  to search
  Press MENU to exit
```

**4** Press **SHIFT** ➤ to start AUTO SET UP.

**5** Refer to *page 8* and follow the relevant steps for the screen displayed, depending upon the result.

...If you get any problems contact the helpline

**11**

# Manual Tuning and Cable TV Installation

Manual Tuning is available as a back-up if Auto Set Up does not work due to poor Broadcast Reception. When using Manual Tuning you will need to use the information on both of the TV screen and the VTR front display panel.

**Note:** Some Cable systems send all their TV and Satellite programmes on one channel only.
If you have this type of system you should tune in one Position number on the video and then use the Cable Box to select the chosen channel to record.

| | |
|---|---|
| BBC1: | Position number 1 |
| BBC2: | Position number 2 |
| ITV: | Position number 3 |
| CHANNEL 4: | Position number 4 |
| CHANNEL 5: | Position number 5 |
| Satellite/Cable: | Position number 6 |
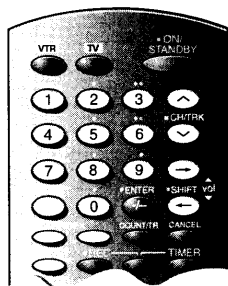
**Note:** The VTR must display a position *number* before tuning in can start. Remove any tape and if L1, L2 or SA is displayed press the INPUT SELECT button on the Remote Control so that a position number *is* displayed.
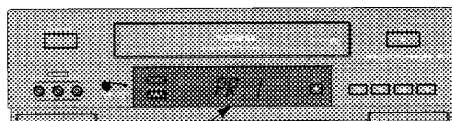
*PR. = Programme Position number on the VTR*

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 3 to select the blue INSTALLATION screen.

3 Press number button 2 to select the blue MANUAL SET UP screen and then 2 again for MANUAL TUNING.
Press the **SHIFT ➤** or ◀ to highlight the program position you wish to tune, then press the **CH/TRK** ∧ ∨ repeatedly until you find the channel you wish to store. The TV will display the programme as you search.

4 When the correct TV signal is showing repeat step 3 for the other TV stations and for the Satellite stations if your Satellite receiver is not connected by a SCART Lead.

5 Press the MENU button on the Remote Control to exit. Channel Tuning is now complete and you can select a television programme by the position number on which the TV station is stored.

The 'Range' option has no function in the UK.

# Additional RF Tuning Information

In some areas of the country you may experience interference from other broadcast stations or from other AV equipment. This may be reduced or eliminated by choosing to turn OFF the RF output from your VTR.

If a SCART Lead has been used as detailed in the GETTING STARTED section and you are experiencing problems with interference from other equipment or channels, you can turn OFF the RF output:

```
      MAIN MENU
  ❶ TIMER PROGRAMMING
  ❷ USER SETTING
  ❸ INSTALLATION
  ❹ CLOCK SET
  ❺ nexTViewLink SETTING

  Press ❶ - ❺ to select
  Press MENU to exit
```

```
   INSTALLATION MENU
  ❶ AUTO SET UP
  ❷ MANUAL SET UP
  ❸ SATELLITE SETTING
      SAT. CONNECTION   (I.P.)
      SAT. BRAND NO.    (17)
  ❹ VIDEO PLUS+ GUIDE CH

  Press ❶ - ❹ to select
  Press MENU to exit
```

```
     MANUAL SET UP
  ❶ CH SWAPPING
  ❷ MANUAL TUNING
  ❸ RF OUT CHANNEL   (21)

  Press ❶ - ❸ to select
  Press MENU to exit
```

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 3 to select the blue INSTALLATION MENU.

3 Press button 2 to select MANUAL SET UP.

4 Press button 3 to select RF OUT CHANNEL.

5 Press **SHIFT ➤** or ◀ until OFF appears in the RF OUT CHANNEL option.

6 Press MENU to exit.
*If you still believe you are having interference problems, consult your dealer or ring the Toshiba Helpline.*

```
     MANUAL SET UP
     CH SWAPPING
     MANUAL TUNING
     RF OUT CHANNEL  (OFF)

  Press SHIFT to change
  the channel number
  Press MENU to exit
```

Reference Information

Toshiba

# Watching a Pre-Recorded Tape

If you insert a commercially pre-recorded tape, it will automatically start to play. If you have not used a SCART Lead you will first need to select the channel on the television that you watch videos on (refer to Additional RF Tuning Information on page 13). The VTR is fitted with an autohead cleaner which automatically cleans the video heads during playback.

**1** Insert a tape with the clear window facing upwards. The 'video cassette loaded' z symbol will appear on the VTR front display.

**2** To play the tape, press the PLAY button on the Remote Control.

**3** To stop the tape press the STOP button on the Remote Control.

**4** To eject a tape press the EJECT button on the Remote Control.
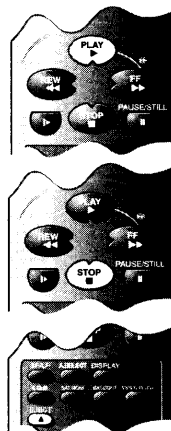
**1** To play the tape, press the PLAY button on the front of the VTR.

**2** To stop the tape press the STOP button.

**3** To eject the tape press the EJECT button.

14
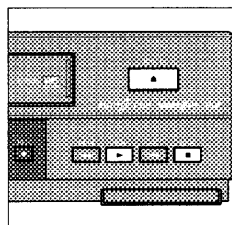
# Tracking

As each VTR is different, slight adjustments need to be made in the way the tape is read. This is called 'Tracking.'

When playback starts the video recorder automatically adjusts the Tracking to obtain the best possible picture and sound; Digital Auto Tracking. The DT (Digital Tracking) indicator will flash while this adjustment takes place and the playback picture and sound may be distorted. The VTR will automatically adjust the Tracking as best it can.

If you playback rented tapes or tapes recorded on other machines, you may occasionally find that the Digital Auto Tracking is not able to improve the picture sufficiently. In these instances you will need to adjust the Tracking manually.

**To manually adjust Tracking**

**1** With a tape in and playing, hold down either the **CH/TRK** ∧ or **V** button on the Remote Control until the best possible picture and sound is obtained.

**2** To resume Automatic Digital Tracking, press the two **CH/TRK** buttons on the Remote Control.

**3** If the tape is old or worn, it may be impossible to improve the picture performance.
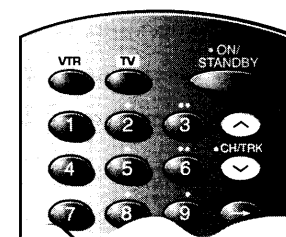
If you press the PAUSE/STILL button the image may shimmer. This may also be reduced by adjusting the Tracking.
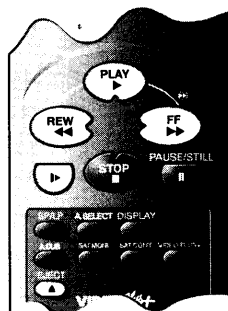
15

# Variable Speed Playback

When viewing a tape it can be played at various speeds. This is called Picture Search.

As well as normal playback, you can view a tape at various speeds.

When watching a tape, you can look for a particular scene by pressing either the FF or REW button or view the tape in slow playback using the SLOW button. In Picture Search, the quality of the image may deteriorate. If you view a tape recorded in Long Play (LP) mode, or recorded on another VTR, the picture quality may be poor or even in black and white.

Improvements can sometimes be made by adjusting the Tracking, see page 15.

**Picture Search enables you to Fast Forward or Rewind and look for a particular part of a tape.**

1　Press PLAY, the VTR will enter normal play mode.
While in play, press and release the FF (or REW) button.
The VTR will search at 5 times the normal playback speed.

2　To return to normal playback mode, press the PLAY button.

3　If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. Releasing the FF button will return the VTR to search at 5 times the normal speed. To return to normal playback mode, press the PLAY button.

4　While in Picture Search mode, if you press the FF button again, the VTR will enter normal Fast Forward mode.

5　Likewise, while in Picture Search REW mode, if you press the REW button again, the VTR will enter normal Rewind mode.

6　If, when Rewinding (REW) or Fast Forwarding (FF), you press the REW (or FF) button, the VTR will enter the Picture Search mode.

7　To view a tape in Slow Motion, when in PLAY, press and release the SLOW button on the Remote Control. The playback will slow down to ⅕th of normal speed.
If you press the SLOW button once again, the playback will slow down to ¹/₁₂th of normal speed.

8　Press PLAY to resume normal playback.

When in Picture Search or Slow Motion, the quality of the image may deteriorate.

1　When in PLAY mode press the FF (Fast Forward) or REW (Rewind) button on the front of the VTR. The VTR will search at 5 times the normal playback speed. If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. If you release the button, the VTR will enter normal Fast Forward/ Rewind speed. To return to normal playback, press PLAY.
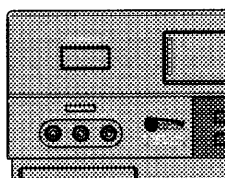
# Trick Play Functions

Holding images and advancing frames on the screen.
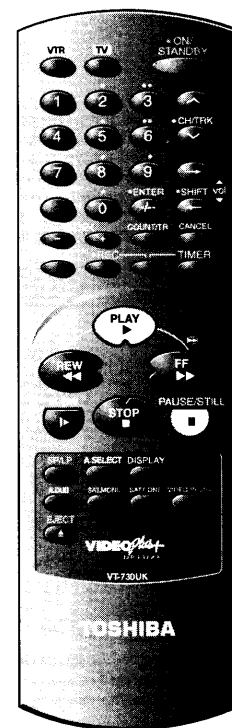
1　When in PLAY, if you want to hold an image on screen, simply press the PAUSE/STILL button.

This will freeze the frame for about 5 minutes.

2　To advance one frame at a time, press and release the PLAY button.

Press and hold the PLAY button.

3　To resume PLAY, press the PAUSE/STILL button again.

Note :　If left unattended for about 5 minutes in the Picture Still mode, the Freeze Frame will cancel and the VTR will revert to PLAY.

**Note:** Fast moving images may shimmer when Freeze Frame is selected. This can sometimes be reduced by adjusting the Tracking, see page 15.

## ⁶⁶ RECORDING

# VIDEOPlus+

VIDEOPlus+ is the easiest way to record TV programmes, using short numerical codes. The PlusCode programming numbers shown in most TV listings pages, tell the video recorder when to start and stop recording a particular programme. These numbers appear after the programme description.

Videoplus+ and Pluscode are trademarks of GEMSTAR development corp. Videoplus+ system is manufactured under license from GEMSTAR development corporation
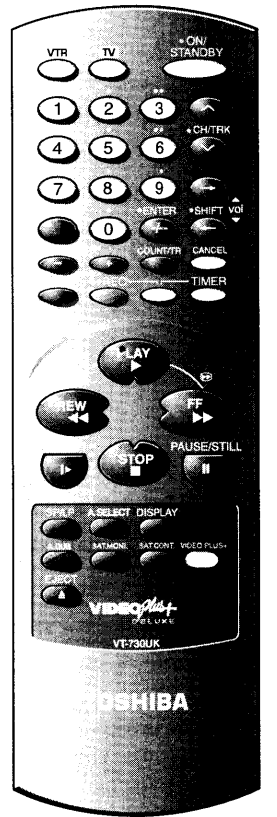
**1** *Before you begin:* Turn on the VTR and the TV.
Ensure the clock is set correctly.
Make sure that the TV stations have been stored correctly on the VTR as in the order shown on *page 12.*

**2** Press the VIDEO Plus+ button on the Remote Control.

**3** Enter the PlusCode, using the number buttons on the Remote control. *E.g.* to record a TV programme with a PlusCode of *1234*, press *1234.* Check that you have entered the numbers correctly and press the VIDEO Plus+ button to confirm. If you make a mistake, simply press the CANCEL button and re-enter the PlusCode.

```
PLUSCODE    (█    )
Enter PLUSCODE and
press  VIDEO PLUS+
                to confirm
Press CANCEL to cancel
Press MENU to exit
```

**4** You are now prompted to confirm how many times you want to record this event – *i.e.* ONCE, DAILY or WEEKLY, *e.g.* ONCE, Press 1.
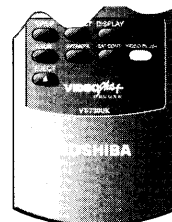
**5** The TV will now confirm the programme information that relates to the PlusCodes entered, along with the recording defaults, *e.g.* PDC ON/OFF* and the tape speed: 1 for SP (Standard Play) or 2 for LP (Long Play).

If you wish to change the speed use SHIFT ➔ and move to SPD, then press 1 for short play or 2 for long play.

```
PLUSCODE    (1234    )
Select rec frequency
1  ONCE
2  DAILY (MO ~ FR)
3  WEEKLY

Press 1 - 3 to select
Press CANCEL cancel
Press MENU to exit
```

```
14:39      11.11. '99  TH
CH DATE    ON   OFF    SPD
1 SA ONCE 18 17:00 ~ 17:30ᴾᴰᶜ SP
2
3
4
5
6
Press 1 - 6 to select
Press TIMER record
```

**6** If you wish to enter another VIDEOPlus+ recording press the VIDEO Plus+ button again and repeat steps **3** to **4**.

**7** If OK, press the two TIMER buttons at the same time. The TIMER indicator on the front panel of the VTR will light up.

To cancel the Timer, press the two Timer buttons again, then the ON/STANDBY button.

**\*PDC WARNING PLEASE NOTE:**
**If you have selected PDC ON (see page 23) do not change the advertised start time of the programmes or the video will not record.**

18

---

## ⁶⁶ RECORDING

# One Touch Record - *Advanced OTR*

Recording the selected video channel at the touch of a button.

**One Touch Recording enables you to record what is currently showing and set the off timer for up to 4 hours in advance.**
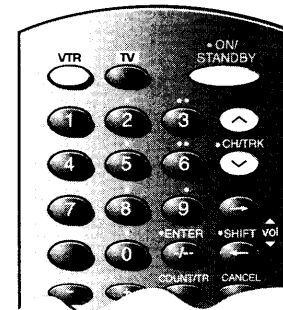
Advanced OTR starts recording simply at the touch of a button.
When using Advanced OTR the VTR will count the time from the hour and 1/2 past the hour. If you press the REC button at 14:15 - the 1st off time shown will be 14:30, pressing the REC button again will set an off time of 15:00.
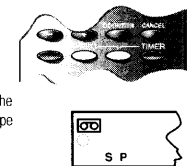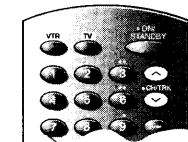
**1** Turn on the VTR and select the desired channel number using the CH/TRK ∧ ∨ buttons on the Remote Control.

**2** Insert a video tape.

**3** To record what is currently showing, simply press the two REC buttons on the Remote Control.

A red dot will be displayed below the 'video cassette loaded' symbol.

This will set the VTR to record until either the STOP button is pressed or the end of the tape is reached.

Turn on the TV and select the video channel.

**1** Turn on the VTR and select the desired channel number using the channel buttons on the front of the VTR.

Insert a video tape. Press the REC button. A red symbol will be displayed below the 'video cassette loaded' symbol on the front of the VTR.

**2**

The VTR will continue to record until the STOP button is pressed or the tape runs out.

By repeadtedly pressing the REC button on the VTR you can set the VTR to record for a preset time. The VTR display will show the time that the recording will stop and a red timer symbol will appear.

| | |
|---|---|
| One more | 30 minutes |
| Twice | 60 minutes |
| Three times | 90 minutes |
| Four times | 120 minutes |
| Five times | 150 minutes |
| Six times | 180 minutes |
| Seven times | 210 minutes |
| Eight times | 240 minutes |
| Nine times | - - - Cancel |

To STOP an OTR, simply press the STOP button. To extend the recording time (*i.e* delay the the stop time) press the REC button on the VTR repeatedly to extend in 30 minute section.
If you wish to skip a scene or adverts, simply press the PAUSE/STILL button. This will pause the recording. To start the recording again, simply press the PAUSE/STILL button again.

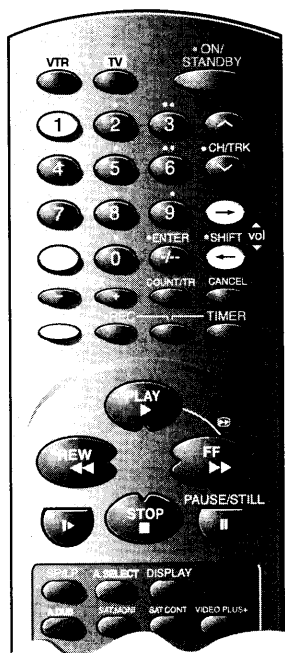**NOTE:** Advanced OTR only works with the REC button on the front of the VTR.

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# Using On-Screen Programming

Before recording a television broadcast, the clock, date and year must be correct. By setting the 'ADJUST CLOCK' on, see page 24, the VTR will check and correct the clock each morning at 8am provided the VTR is in Standby.

**Note:** Use the **SHIFT➤** or **◄** buttons on the Remote Control to the move the cursor forwards or backwards. If you make a mistake, simply press the **SHIFT ◄** button to move back and re-enter the number.

**Timer recordings can easily be made using the On-Screen Programming function. Up to 6 timed events can be set for up to one month in advance.**

**1** Press the MENU button to display the green MAIN MENU.

**2** Press number 1 to select the blue TIMER PROGRAMMING screen.

| MAIN MENU |
|---|
| ▉ TIMER PROGRAMMING |
| ▉ USER SETTING |
| ▉ INSTALLATION |
| ▉ CLOCK SET |
| ▉ nexTViewLink SETTING |
| Press ▉-▉ to select |
| Press MENU to exit |

**3** Select the first available event (usually position 1, there are 6) using the numbered buttons on the Remote Control, e.g. Button 1 for position 1.

| 15:31 | 22. 6. | '00 TH |
|---|---|---|
| CH DATE | ON | OFF SPD |
| ▉ | | |
| ▉ | | |
| ▉ | | |
| ▉ | | |
| ▉ | | |
| ▉ | | |
| Press ▉-▉ to select | | |
| Press MENU to exit | | |

**4** Follow the prompts at the bottom of the screen. Select the channel position number e.g. 01 for Channel 1 using the number buttons. If you want to record from L or SA, press the INPUT SELECT button on the Remote Control (see page 4 for appropriate Input): L1 = SCART; L2= F/AV.

| 15:31 | 22. 6. | '00 TH |
|---|---|---|
| CH DATE | ON | OFF SPD |
| ▉ 1 | | PDC SP |

**5** Confirm how many times you want to record this event, i.e. ONCE, DAILY, or WEEKLY. Press 1, 2 or 3 accordingly. Confirm the day if appropriate.

| 15:31 | 22. 6. | '00 TH |
|---|---|---|
| CH DATE | ON | OFF SPD |
| ▉ 1 ONCE | | PDC SP |

**6** Set the date you want the recording to take place, e.g. 29 for the 29th. The VTR can record up to 1 month in advance. All you need to do is simply put in the date (NOT the month) and the VTR will store the information.

**7** Set the recording START time and FINISH time, using the number buttons on the Remote Control. E.g. START 1 9 3 0 FINISH 2 0 2 0. Select Programme Delivery Control (PDC*) ON or OFF: number button 1 for ON, 2 for OFF – see page 23. Select the desired tape speed 1 for SP (Standard Play) or 2 for LP (Long Play). Repeat for all remaining timed recordings that you wish to make.

| 15:31 | 22. 6. | '00 TH |
|---|---|---|
| CH DATE | ON | OFF SPD |
| ▉ 1 ONCE 29 19:30 ~ 20:20 PDC SP | | |
| ▉ | | |
| ▉ | | |
| ▉ | | |
| ▉ | | |
| ▉ | | |
| Press ▉-▉ to select | | |
| Press TIMER to record | | |

To cancel any programmed information, select TIMER PROGRAMMING from the green MAIN MENU and, with the event number highlighted e.g. 1, press the CANCEL button to clear the programmed information.

**\*PDC WARNING PLEASE NOTE:**
**If you have selected PDC ON**
**(see page 23) do not change the advertised start time of the programmes or the video will not record.**

**8** Press BOTH THE TIMER buttons on the Remote Control at the same time. The VTR switches to 'Timer On' mode. If you wish to turn the Timer off for any reason simply press the 2 TIMER buttons again. Don't forget to put it back in Timer mode, or it will not make a recording.
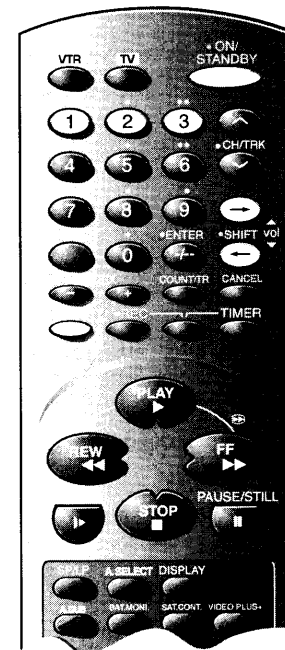
**20**
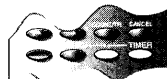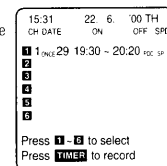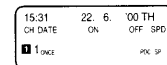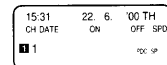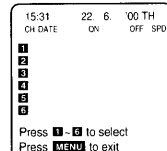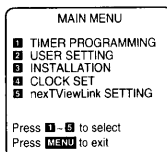
# User Settings – Tape Select and Eco Mode

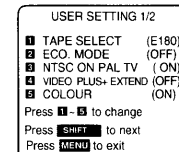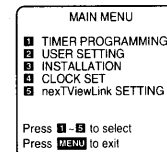Presetting the video to your chosen recording defaults using the USER SETTING screen from the green MAIN MENU.

The USER SETTING screen has 2 displays.

By pressing **SHIFT➤** whilst on the USER SETTING 1/2 screen you will progress to the USER SETTING 2/2 screen. Press **SHIFT ◄** and you will go back to USER SETTING screen 1/2.

| MAIN MENU |
|---|
| ▉ TIMER PROGRAMMING |
| ▉ USER SETTING |
| ▉ INSTALLATION |
| ▉ CLOCK SET |
| ▉ nexTViewLink SETTING |
| Press ▉-▉ to select |
| Press MENU to exit |

| USER SETTING 1/2 | |
|---|---|
| ▉ TAPE SELECT | (E180) |
| ▉ ECO. MODE | (OFF) |
| ▉ NTSC ON PAL TV | ( ON) |
| ▉ VIDEO PLUS+ EXTEND | (OFF) |
| ▉ COLOUR | (ON) |
| Press ▉-▉ to change | |
| Press SHIFT to next | |
| Press MENU to exit | |

**Note: If you suffer a power failure the settings will need to be reset.**

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted. Standard Play gives a better quality picture and sound. For the VTR to able to calculate you must first tell it what length of tape is in the VTR.
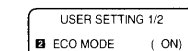
**1** Press the MENU button on the Remote Control to display the green MAIN MENU.

**2** Press number button 2 to select the USER SETTING 1/2 screen.

**3** Press number button 1 repeatedly to select between (E180), (E240), (E260) and (E300).

| USER SETTING 1/2 | |
|---|---|
| ▉ TAPE SELECT | (E260) |

**4** Having selected the length of tape that is in the VTR, press the MENU button twice to exit.
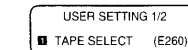
ECO MODE is useful if you already have a clock display e.g. on another Set Top Box, to save energy and for security. Without the clock display, the VTR is more difficult to spot in the dark.

In normal Standby mode the display on the front of the VTR shows clock. When ECO MODE is on this light turns red.

**1** Press the MENU button on the Remote Control to display the green MAIN MENU.

**2** Press number button 2 to select the USER SETTING 1/2 screen.

**3** Press button 2 to turn ECO MODE ON. Now, when the VTR is in Standby mode the front display panel will shut off. Even the clock disappears. By pressing the Standby button again on the Remote Control the display panel will reappear.
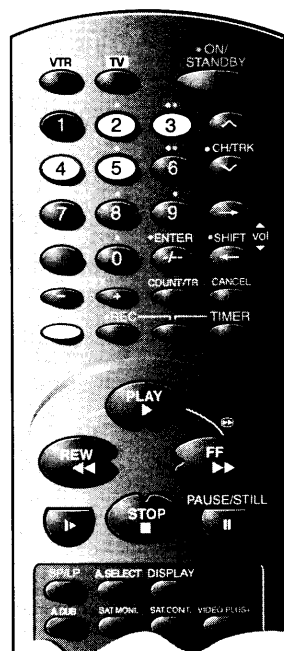
| USER SETTING 1/2 | |
|---|---|
| ▉ ECO MODE | ( ON) |

**Note:** Ensure you connect the VTR to the television using a SCART Lead.

**4** Press MENU to exit.

**21**

# NTSC on PAL TV,
# VIDEO*plus+* EXTEND and Colour

NTSC is the television standard used in many parts of the world.

See *page 25 NTSC Playback.*

1   Press the MENU button on the Remote Control to display the green MAIN MENU.

2   Press number button 2 to select the blue USER SETTING screen.

3   Press number button 3 repeatedly to select between ON or OFF.

| USER SETTING 1/2 |
| --- |
| 3 NTSC ON PAL TV  ( ON) |

To prevent delays or over-runs the VTR has a function called
VIDEO*plus+* EXTEND allowing you to extend the recording time by up to 60 minutes. If PDC is set to ON, this VIDEO*plus+* EXTEND is ignored.

1   As steps 1-2 above and press button 4 repeatedly to set the VIDEO PLUS+ EXTEND time by increments of 10 minutes.

| USER SETTING 1/2 |
| --- |
| 4 VIDEO PLUS+ EXTEND ( OFF) |

2   To turn off, press 4 repeatedly until OFF shows.

To view video tapes in Colour the COLOUR option must be set to ON. However, when viewing black and white tapes you may find that by choosing OFF the picture is improved.

1   Press the MENU button on the Remote Control to display the green MAIN MENU.

2   Press number button 2 to select the blue USER SETTING screen.

3   Press number button 5 to select between ON or OFF.

| USER SETTING 1/2 |
| --- |
| 5 COLOUR  ( ON) |

# OSD Background and PDC
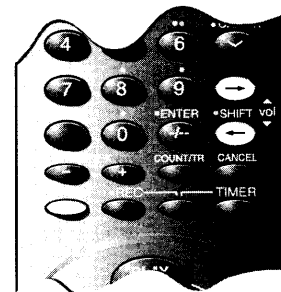
The Blue Background feature will automatically display a blue screen when a blank tape is played, no broadcast signal is received or there is no signal from the selected source, e.g. camcorder is connected but not switched on.
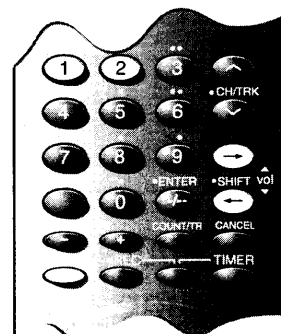
1   Press the MENU button on the Remote Control to display the green MAIN MENU.

2   Press number button 2 to select the USER SETTING 1/2 screen.

3   Press the **SHIFT →** to go to USER SETTING 2/2 screen. Press the number button 1 to turn OSD BACKGROUND ON.

4   Press MENU twice to exit.

| USER SETTING 2/2 |
| --- |
| 1 OSD BACKGROUND(OFF) |
| 2 PDC DEFAULT    (OFF) |
| 3 ADJUST CLOCK    (ON) |
| 4 16:9 |
| 5 (OFF) |
| NICAM          (OFF) |
| Press 1-5 to change |
| Press SHIFT to previous |

PDC only works when the VTR is programmed and in the Timer Mode. If you set the VTR back to Standby before the recording has been made the programme will remain in the VTR's memory. If you fail to set the VTR back to Timer Mode the PDC recording will remain until you cancel/clear the recording; press the MENU button on the Remote Control, choose 1, TIMER PROGRAMMING, select the programme and press the CANCEL button.

Programme Delivery Control is a system of telling the VTR when a programme *actually* starts. Typically, when you want to record a programme you will tell the VTR to start recording, probably, five minutes before the *advertised* starting time of the programme and to finish ten minutes or so after the programme is *due* to finish. So even if the programme starts early or finishes late you will normally still get to see what you wanted to record. However when live programmes over-run or the day's television schedule is changed from that advertised, you may miss the desired programme which may have been delayed or even cancelled.
With PDC the VTR will wait until the signal is sent to confirm the programme is starting and the VTR will record the programme *even* if it is two or more, hours late.

1   Press the MENU button on the Remote Control to display the green MAIN MENU.

2   Press number button 2 to select USER SETTING 1/2.

3   Press **SHIFT →** to proceed on to the USER SETTING screen 2/2.

4   Press number button 2 to select ON in PDC DEFAULT option.

5   Press MENU to exit.

| USER SETTING 2/2 |
| --- |
| 1 OSD BACKGROUND(OFF) |
| 2 PDC DEFAULT    (OFF) |
| 3 ADJUST CLOCK    (ON) |
| 4 16:9 |
| 5 (OFF) |
| NICAM          (OFF) |
| Press 1-5 to change |
| Press SHIFT to previous |

# User Settings continued
# – Adjust Clock, nexTViewLink

You can preset the video to your chosen recording defaults by using the *USER SETTING* screens from the green MAIN MENU. **ONLY USE THESE OPTIONS IF YOU HAVE A nexTViewLink TELEVISION.**
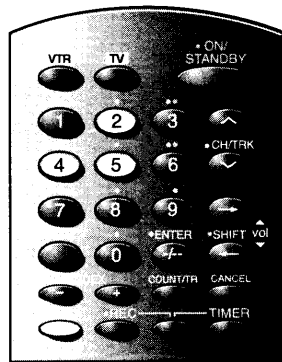
**Note: Ensure you connect the VTR to the television using a SCART Lead.**

**nexTViewLink:**

In the future, new types of **Teletext** may be available. This Electronic Programming Guide (EPG) will enable you to utilise **nexTViewLink.**
However, before you can use nexTViewLink you must set the VTR to receive information from a nexTViewLink TV.
'TV CH P.DOWN LOAD', the first option will enable you to download the channel order that is stored on your TV.
Having done this, you can then send instructions directly from the nexTViewLink pages.

**THESE OPTIONS ONLY WORK WITH A nexTViewLink TELEVISION.**

By setting the ADJUST CLOCK to ON there will be no need to adjust the clock manually. This will be automatically carried out for you daily.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press button 2 to select the USER SETTING 1/2 screen. Press the **SHIFT ➤** to go to USER SETTING 2/2 screen.

| USER SETTING 2/2 |
|---|
| ☯ ADJUST CLOCK ( ON) |

3 Press button 3 to turn ADJUST CLOCK OFF and press MENU to exit.

1 Press the MENU button on the remote control to select the green MAIN MENU. Press button 5 to select the nexTViewLink SETTING screen.

| MAIN MENU |
|---|
| ☯ TIMER PROGRAMMING |
| ☯ USER SETTING |
| ☯ INSTALLATION |
| ☯ CLOCK SET |
| ☯ nexTViewLink SETTING |
| Press ☯ – ☯ to select |
| Press MENU to exit |

2 Press number button 1 to select TV CH P.DOWNLOAD. By pressing the number buttons to select the channels, download the channel orders by pressing SHIFT ➤ .

3 Having downloaded the channel order you must now instruct the VCR to accept this information. Follow the on screen instructions.
Press the MENU button to exit TV CH P.DOWNLOAD screen. Now select 2 TV PICTURE RECORD from the nexTViewLink

| nexTViewLink SETTING |
|---|
| ☯ TV CH P. DOWN LOAD |
| ☯ TV PICTURE RECORD (OFF) |

4 SETTING menu and press number button 2 to change to ON. To turn this facility off, press button 2 whilst in the nexTViewLink SETTING screen.

| Press ☯ – ☯ to select |
|---|
| Press MENU to exit |

5 Having downloaded the channel order and set the TV PICTURE RECORD to ON you can now instruct the VCR to record information from the television. For example, you may be watching a news item and decide to record it. Because the setting on the PICTURE RECORD was turned ON the VCR will automatically record from the current television station, *irrespective* of what channel the VCR is set to (unlike the OTR function) by pressing the two REC buttons.

The TV will automatically switch the VCR into Timer Mode.

| TV CH P. DOWN LOAD |
|---|
| CH P.          CH |
| 1     :     -- |
| Press SHIFT ▪ to DOWN LOAD |
| Press MENU to exit |

| nexTViewLink SETTING |
|---|
| ☯ TV CH P. DOWN LOAD |
| ☯ TV PICTURE RECORD (OFF) |
| Press ☯ – ☯ to select |
| Press MENU to exit |

---

# 16:9 (Wide Screen Compatibility

The VTR automatically adjust the image to fill the wide TV screen when you play back a tape commercially available which is recorded in the wide screen format, or when you record or play back a wide TV programme via the connected satellite receiver, etc.
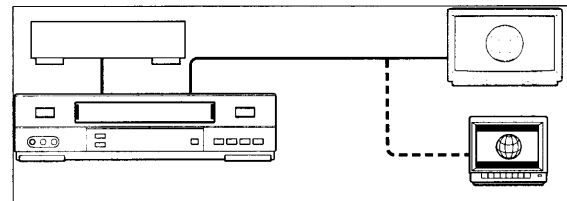
1 Press the MENU buton on the remote control to select the green MAIN MENU.

| MAIN MENU |
|---|
| ☯ TIMER PROGRAMMING |
| ☯ USER SETTING |
| ☯ INSTALLATION |
| ☯ CLOCK SET |
| ☯ nexTViewLink SETTING |
| Press ☯ – ☯ to select |
| Press MENU to exit |

2 Press button 2 to select the USER SETTING 1/2 screen. Press the **SHIFT ➤** to go to USER SETTING 2/2 screen.

| USER SETTING 2/2 |
|---|
| ☯ OSD BACKGROUND(OFF) |
| ☯ PDC DEFAULT      (OFF) |
| ☯ ADJUST CLOCK    (ON) |
| ☯ 16:9                  (OFF) |
| ☯ NICAM             (OFF) |
| Press ☯ – ☯ to change |
| Press SHIFT to previous |
| Press MENU to exit |

3 Press button 4 to set "16:9"

AUTO: Set when you use a Wide TV. The VTR detects wide TV programmes and normal TV programmes automatically when playing back and recording.
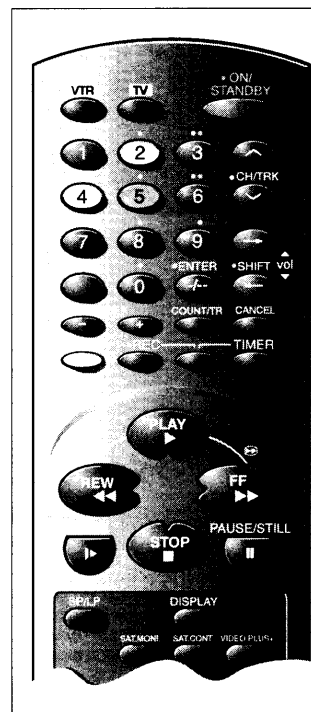
ON: The VTR always plays back and records in the mode compatible with 16:9 wide screen. Set if the VTR cannot detect wide TV programmes with "AUTO" set.

OFF: Set if you do not use a wide TV.

4 Press the MENU to exit.

# NTSC Playback

NTSC is the broadcasting standard used in Japan and the USA. The VTR has a function that enables you to view NTSC tapes.
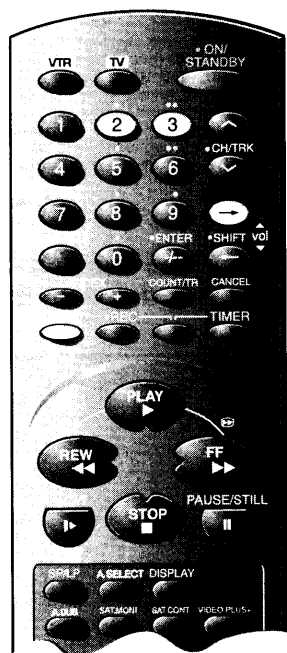
**Note:** The playback quality of NTSC tapes is not as good as PAL tapes and the picture and sound quality may be poor. The picture may shrink vertically, black bars may appear at both the top and bottom of the screen and Variable Speed Playback may not function correctly (i.e. Picture Still, Search, Slow Playback etc). Digital Auto Tracking may not work correctly.

Playback of recordings made in LP mode may be poor due to the limitations of conversion.

### Playing back a cassette on a PAL ONLY TV

The VTR will decode NTSC signals, so the NTSC option available on the VTR must be set to ON.

1   Press the MENU button to display the green MAIN MENU.

```
         MAIN MENU
   ❶ TIMER PROGRAMMING
   ❷ USER SETTING
   ❸ INSTALLATION
   ❹ CLOCK SET
   ❺ nexTViewLink SETTING

   Press ❶-❺ to select
   Press MENU to exit
```

2   Press button 2 to select the blue USER SETTING 1/2 screen.

```
        USER SETTING 1/2
   ❶ TAPE SELECT      ( E180)
   ❷ ECO MODE          (OFF)
   ❸ NTSC ON PAL TV  ( OFF)
   ❹ VIDEO PLUS+ EXTEND (OFF)
   ❺ COLOUR            (ON)

   Press ❶-❺ to change
   Press SHIFT ▸ to next
   Press MENU to exit
```

3   Press button 3 to select NTSC ON PAL TV ON.

4   Press MENU twice to exit.

### Playing back a cassette on an NTSC 4.43 compatible TV

The TV will decode the NTSC signal, so the 'NTSC Playback on PAL TV' option available from the VTR must be set to OFF.

1   Press the MENU button to display the green MAIN MENU.

```
        USER SETTING 1/2
   ❶ TAPE SELECT      (E180)
   ❷ ECO MODE
   (OFF)
   ❸ NTSC ON PAL TV   ( ON)
   ❹ VIDEO PLUS+ EXTEND (OFF)
   ❺ COLOUR            (ON)
```

2   Press button 2 to select the blue USER SETTING 1/2 screen.

3   Press button 3 to select NTSC ON PAL TV OFF.

```
   Press ❶-❺ to change
   Press SHIFT ▸ to next
```

4   Press MENU twice to exit.
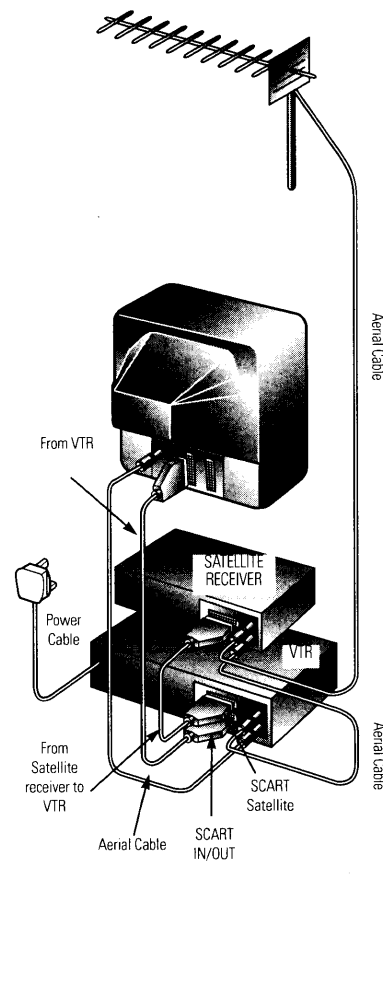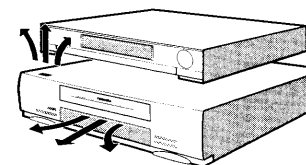
# Connections

**Satellite Compatibility:**
In order for these functions to work you must have a compatible Satellite receiver.
Some Pace and Nokia Satellite receivers are not compatible with this VTR, for instance Pace have recently changed the IR control codes of the MSS100, therefore some machines will be compatible while others are not. Incompatible MSS100 receivers can be identified by the Remote Control part number "RC10" which is printed on the handset.

From VTR

Power Cable

From Satellite receiver to VTR

Aerial Cable   SCART IN/OUT   SCART Satellite

Aerial Cable

### Positioning the Satellite receiver:

The VTR will control or 'talk' to the Satellite receiver via infra-red signals which are sent out from the VTR's display window and top-mounted sensor.

It is essential that you correctly position the VTR and Satellite receiver.

Ideally, you should position the Satellite receiver *above* the VTR.

• Do not block the VTR's sensors.

• The infra-red signals come out of the sensor windows, bounce off walls and objects in the room and are picked up by the Satellite receiver.

**Note:** When using a SCART Lead between the Satellite receiver and the VTR always ensure that you connect the SCART Lead to the SCART input socket marked SATELLITE IN on the VTR.

# Control of Satellite Channels via Satellite Control
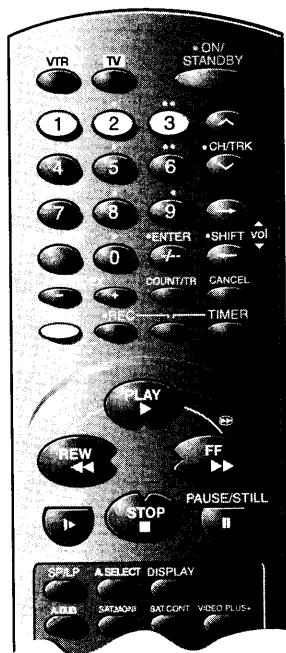
**Having connected your Satellite receiver and positioned it correctly, you now need to tell the VTR how it is connected, what Brand of Satellite receiver you have and what order of Satellite channels have been set.**

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

```
        MAIN MENU
1  TIMER PROGRAMMING
2  USER SETTING
3  INSTALLATION
4  CLOCK SET
5  nexTViewLink SETTING

Press 1 - 5 to select
Press MENU to exit
```

2 Press button number 3 to select the blue INSTALLATION MENU and 3 again to select the blue SATELLITE SETTING screen.

```
     INSTALLATION MENU
1  AUTO SET UP
2  MANUAL SET UP
3  SATELLITE SETTING
   SAT. CONNECTION(LINE1)
   SAT. BRAND NO.    ( 17 )
4  VIDEO PLUS+ GUIDE CH

Press 1 - 4 to select
Press MENU to exit
```

3 Select 1 ~ 4 depending on how you have connected the Satellite receiver.

If you have connected the Satellite receiver using RF AERIAL (Option 2 from the SATELLITE CONNECTION) the VTR needs to be told to which channel you have tuned your Satellite. The screen will prompt you. Use the number buttons on the Remote Control, e.g. 06 for channel 6.

If the Satellite receiver has been connected – turned on and set to Sky News – prior to running AUTO SET UP then the Satellite receiver should be stored in position 6.

```
     SATELLITE CONNECTION
       How is your satellite
                connected?

1  SATELLITE SCART  (SAT)
2  RF AERIAL        (CH P.)
   AV SCART         (LINE1)
   FRONT AV         (LINE2)

Press 1 - 4 to select
Press MENU to exit
```

4 Once this number has been entered, press the MENU button on the Remote Control.

Enter the Satellite Brand Code from the table on *page 29* using the numbered buttons on the Remote Control, even if the correct code is shown.

The VTR will send a test signal to the Satellite receiver.

```
     SATELLITE BRAND NO.
What is brand
          of your satellite?

SAT. BRAND NO. (017)
Refer to owner's manual
        for 3 digit brand No.
ENTER SAT. BRAND NO.
        even if it is correct.
Press MENU to exit
```

---

5 If the Satellite receiver switches to channel 12 it is working correctly. Press MENU to continue and go to instruction 7 below.

```
SAT. BRAND NO.   (017)

sending a test signal of
CH 12 to your satellite
```

6 If it does not switch to channel 12 continue trying the list of Brand Codes until the VTR controls the Satellite.

```
Did SAT. CH change to 12?
    YES: Press MENU
NO: Try another No.
SAT. BRAND NO.   (017)
If all numbers tried
select NO SAT CONTROL
on next screen.
Press MENU · next screen
```

**Note:** If *no* Codes work, press the MENU button on the Remote Control and select NO SAT CONTROL on the next screen and *see step* 9 *below.*

7 You now need to tell the VTR the Channel order on your Satellite receiver.

```
     SATELLITE CH ORDER
How is your satellite
          receiver tuned?

1  SKY ORDER
2  ASTRA ORDER
3  PERSONAL PREFERENCE
4  NO SATELLITE CONTROL

Press 1 - 4 to select
Press MENU to exit
```

Most Satellite receivers are preset to either SKY or ASTRA order. If, however, you have changed the order then you will need to select 3 PERSONAL PREFERENCE on the SATELLITE CH ORDER screen and change the VIDEO Plus+ GUIDE numbers accordingly.

Select 1~4 and this will customise your VTR to your Satellite receiver.

8 If you selected 3 PERSONAL PREFERENCE you will need to enter the channel order of the Satellite receiver (see the example right). Use the table on *page 29* to help.

*Example only*

```
GUIDE       :CH P.
101    :    SAT
102    :    SAT
103    :    SAT
104    :    SAT
105    :    SAT
Enter CH P. or LINE
Press SHIFT to change GUIDE
Press MENU to exit
```

9 If you selected 4 NO SATELLITE CONTROL you will need to manually select the correct Satellite channel on the receiver when you want to record a Satellite programme.

*The set-up is now complete.*

66 SATELLITE CONTROL

# Control of Satellite Channels via Satellite Control

From the tables below look up the make of the Satellite Receiver and note the Brand Code.
The Channel order may change from time to time – contact your Satellite provider for the latest details.

| Brand Name | Brand Code |
|---|---|
| TOSHIBA | 017, 033 |
| ALBA | 001, 002, 009, 016, 017, 065, 066 |
| AMSTRAD | 003, 004, 005, 017, 055, 056, 076, 077, 089, 090, 091, 124 |
| ARMSTRONG | 107, 043 |
| BIG BROTHER | 007, 008, 017 |
| BT | 017, 122, 123 |
| BUSH | 002, 009, 016, 017, 065, 066 |
| CABLE STAR | 017, 101, 102, 103, 104 |
| CABLETIME | 017, 101, 102, 103, 104 |
| CAMBRIDGE | 017, 122, 123 |
| CHANNEL MASTER | 002, 003, 010, 017 |
| D2MAC DECODER | 017, 072 |
| DRAKE | 017, 045 |
| ECHOSTAR | 013, 014, 017, 092, 093, 094 |
| FERGUSON | 009, 015, 016, 017, 023, 038, 039, 059, 108 |
| GRUNDIG | 017, 019, 028, 071, 125 |
| ITT/NOKIA | 017, 026, 027, 050, 051, 052 |
| JVC | 017, 122, 123 |
| LENCO | 017, 049 |
| MASPRO | 017, 020, 064, 067 |
| MATSUI | 017, 125 |
| NEC | 017, 022, 057 |
| NETWORK | 009, 016, 017 |
| NORDMENDE | 017 |
| PACE | 009, 016, 017, 023, 038 |
| PANASONIC | 017, 061 |
| PHILIPS | 016, 017, 024, 046, 073 |
| REDIFFUSION | 017, 025 |
| REVOX | 017, 021 |
| SAKURA | 017, 062, 063, 068 |
| SALORA | 017, 026, 027, 050, 051, 052 |
| SAMSUNG | 017, 036 |
| SIEMENS | 017, 023 |
| SENTRA | 010, 017 |
| SONY | 017, 030 |
| TATUNG/NIKKO | 017, 032, 054, 058, 080, 081 |
| TEXSCAN | 017, 119, 120 |
| THOMSON | 007, 017, 039 |
| TRISTAR | 017, 031 |
| UNIDEN | 017, 067 |
| VIDEOTRON | 017, 105, 106, 107, 108, 109, 110, 121 |
| WSI | 017, 035, 037, 044, 093 |

*Please note:*
*These charts were correct at time of going to press.*
*Names and Codes may vary.*

| Station Name | VIDEO Plus+ Guide Channel | SKY Order | ASTRA Order | Personal Preference |
|---|---|---|---|---|
| SKY ONE | 101 | 1 | 8 | |
| SKY NEWS | 102 | 2 | 12 | |
| SKY MOVIE MAX | 103 | 3 | 16 | |
| SKY PREMIERE | 104 | 4 | 18 | |
| THE DISNEY CHANNEL | 111 | 5 | 26 | |
| SKY BOX OFFICE 1 | 111 | 5 | 26 | |
| SKY SPORTS 1 | 105 | 6 | 20 | |
| NICKELODEON | 106 | 7 | 46 | |
| PARAMOUNT COMEDY CH. | 106 | 7 | 46 | |
| EBN | 125 | 8 | 42 | |
| TROUBLE | 125 | 8 | 42 | |
| BRAVO | 125 | 8 | 42 | |
| DISCOVERY HOME & LEISURE | 124 | 9 | 41 | |
| DISCOVERY | 124 | 9 | 41 | |
| UK GOLD | 123 | 11 | 23 | |
| QVC | 136 | 12 | 38 | |
| LIVING | 130 | 13 | 34 | |
| THE FANTASY CHANNEL | 130 | 13 | 34 | |
| MTV | 109 | 14 | 15 | |
| VH1 | 145 | 15 | 22 | |
| SKY SPORTS 2 | 140 | 16 | 47 | |
| SKY SPORTS 3 | 148 | 17 | 31 | |
| PLAYBOY CHANNEL | 148 | 17 | 31 | |
| TV SHOP | 148 | 17 | 31 | |
| FOX KIDS | 119 | 18 | 7 | |
| NATIONAL GEOGRAPHIC | 119 | 18 | 7 | |
| GRANADA PLUS | 131 | 19 | 3 | |
| MEN & MOTORS | 131 | 19 | 3 | |
| WEATHER | 127 | 20 | 60 | |
| RACING | 127 | 20 | 60 | |
| SKY BOX OFFICE 2 | 127 | 20 | 60 | |
| SKY BOX OFFICE 3 | 132 | 21 | 59 | |
| SKY SCOTTISH | 132 | 21 | 59 | |
| GRANADA GOOD LIFE | 142 | 22 | 58 | |
| COMPUTER CHANNEL | 142 | 22 | 58 | |
| SKY BOX OFFICE 4 | 142 | 22 | 58 | |
| CMT | 138 | 24 | 51 | |
| CHRISTIAN CHANNEL | 122 | 26 | 24 | |
| SOAP | 122 | 26 | 24 | |
| HISTORY | 122 | 26 | 24 | |
| SCI-FI | 122 | 26 | 24 | |
| TRAVEL | 129 | 27 | 60 | |
| SKY SINEMA | 129 | 27 | 60 | |
| CARTOON NETWORK | 149 | 29 | 37 | |
| TNT | 149 | 29 | 37 | |
| EUROSPORT | 107 | 30 | 4 | |
| CNN | 126 | 31 | 28 | |

*It is important that you check that your VIDEO Plus+*
*Guide Channel order stored on the VTR is the same order*
*as your Satellite Receiver otherwise VIDEO Plus+*
*programming will not work correctly.*

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66 SATELLITE CONTROL

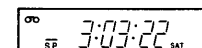# Control of Satellite Channels continued

## Satellite Control function

Note: Some Satellite receivers may not respond to all the operations described, or may not be operated with this Remote Control. In these cases, operate the Satellite receiver using its own remote control.
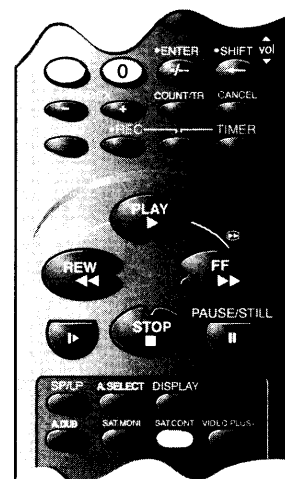


**Satellite Control enables you to change channels on the Satellite using the VTR Remote Control.**

1  Press the VTR button to ensure you are in VTR mode. Press the SAT.CONT. (Satellite Control) button to switch Satellite control ON. The VTR is now in Satellite Control mode and the VTR will automatically select the Satellite Input on the VTR that you have previously set.

2  'SAT' will appear in the VTR display panel, to switch it off, press the SAT.CONT. button again.



3  Select a Satellite channel using the numbered buttons on the Remote Control. Depending on the Satellite receiver, the ways of use may differ. For example: to select SKY MOVIES (on channel 3) either press 0 then 3, or 0 then 3 then the ENTER button, or 0 then 3 then the ENTER button twice.

4  When you have finished press the SAT.CONT. button to switch the Satellite Control OFF. To reset the VTR to record from BBC 1, ITV etc, press the INPUT SELECT button repeatedly until a programme position number is displayed.
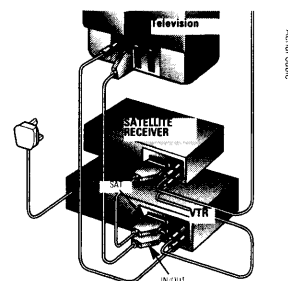
Some functions of the Remote Control will not work whilst in this mode. To exit this mode, press the SAT.CONT. button on the Remote Control. 'SAT' will disappear from the VTR display panel.

*If the Satellite receiver has two SCART outputs, one to the VTR and another to the TV, you do not need to use this function.*

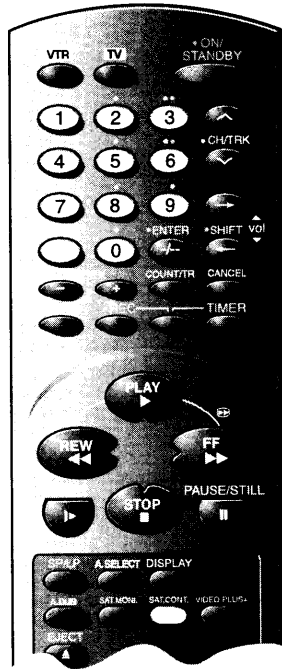**To view Satellite you must select the SCART socket on the television (refer to the TV Owner's Manual).**

1  Press the SAT.MONI (SATELLITE MONITOR) button on the VTR Remote Control; this will loop the Satellite signal through the VTR up to the television.

2  If it has not been automatically selected, select the SCART socket on the television (refer to TV Owner's Manual).

3  To cancel press the SAT.MONI button again.



**Note:** If you press the MENU button on the Remote Control to display the green MAIN MENU on the TV screen the Satellite Monitor Function will cancel.

# Recording from Satellite –
# VIDEO*plus+*, Recording and Timer

**If you have not followed the Satellite installation instructions as described in these *Satellite Control* pages you will NOT be able to use VIDEO*plus+*.**

**VIDEO*plus+***
This gives the simplicity of **VIDEO*plus+*** but also allows the recording of Satellite programmes. If Satellite Control works, **VIDEO*plus+*** will operate in the same way, *see page 18*.

**Recording can be used in the same way as described on *page 19*.**

1    All you need to do is press the INPUT SELECT button on the Remote Control to select the appropriate connection.

    *e.g.*    SA for SATELLITE SCART
         06 for RF channel number 6, etc.

    You must ensure that the Satellite receiver is set to the required channel manually.

**Timer recordings from Satellite channels can be made in the same way as described on *page 20*.**

1    All you need to do is use the INPUT SELECT button on the Remote Control to select the appropriate connection:

    *e.g.*    SA for SATELLITE SCART
         06 for RF channel number 6, etc.

```
14:39        5.11.  '00  SU
CH DATE     ON   OFF
■ SA ONCE 3 16:45 ~17:45   SP
```

    If you have set up the Satellite Control function as described on *page 28*, you can press SAT.CONT. instead of the INPUT SELECT button. SAT.CONT. automatically selects the required Satellite channel. If you use INPUT SELECT, you must ensure that the Satellite receiver is set to the required channel manually.

2    Press the SAT.CONT. button to display SA and enter the appropriate Channel number for the Satellite programme you wish to record using the number buttons on the Remote Control.

If you have connected the VTR to a Cable system, please refer to the Cable provider for full details on how to set up using **VIDEO*plus+***.

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# Hi-Fi Stereo Sound system

Selecting different audio tracks when viewing a Hi-Fi stereo recorded tape.

The VTR is capable of recording and playing sound in a number of ways. As you select the different options the display on the front of the VTR will change accordingly.

This is factory set to L + R and in most instances there will be little need to alter any of these settings.
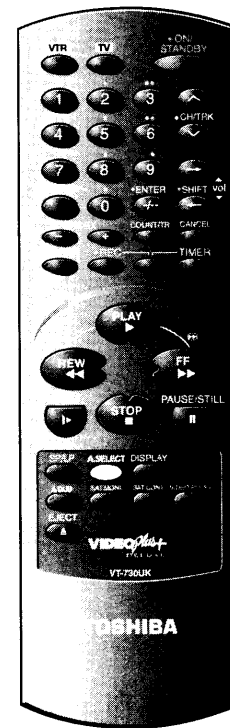
1    Repeatedly press the A.SELECT (audio select) button on the Remote Control.

2    The output indicator on the front of the VTR will show the changes. From: L and R, L, R, *blank*, MIX L and R, and back to L and R.

3    **When the display shows both L and R:**
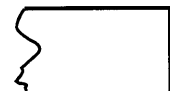    Audio is played from both the Left and Right Hi-Fi tracks, giving a true stereo sound.

4    **When the display shows L:**
    Audio from the left soundtrack on the tape is output from the VTR.

5    **When the display shows R:**
    Audio sound from the right soundtrack on the tape is output from the VTR.

6    **When the display is *blank*:**
    Audio taken from the mono soundtrack is output from the VTR.

7    **When the display shows MIX L and R:**
    Stereo sound taken from the Hi-Fi track PLUS the MONO 'normal audio track' is output from the VTR.

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# Audio Dubbing

For adding soundtracks such as narration or music to previously - recorded video tapes.

In addition to the left and right Hi-Fi audio tracks there is another soundtrack called the 'normal audio track'.

This 'normal audio track' is mono track, recorded by all VTR recorders. When you record, the VTR uses the left and right Hi-Fi tracks for the normal stereo sound, but it also records a mono version of the soundtrack on the 'normal audio track'.

If you wish, you can record your own soundtrack onto this, the 'normal audio track' without affecting the soundtrack on the Hi-Fi.

This is ideal for putting a 'voice over onto a home movie recorded on a camcorder.

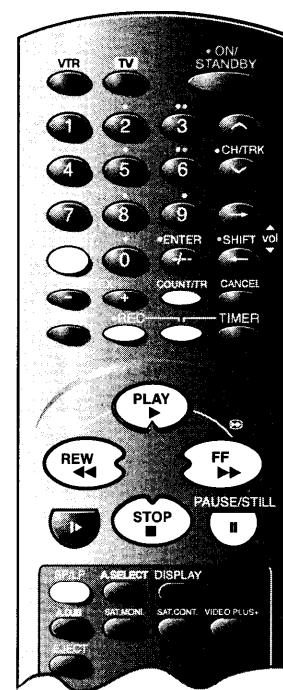In this way, you can keep the original soundtrack. but it means you can also add your own commentary.
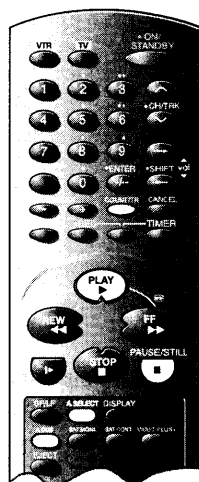
1 Connect suitable equipment e.g. cassette recorder to the IN/OUT (SCART) on the rear of the VTR.

External equipment

Ex. Player

2 Insert the tape to be OVER-DUBBED (the tape with the new audio track to be recorded onto).

3 Find the scene that you want to over-dub and press PAUSE/STILL on the Remote Control.

4 Press the A.DUB (audio dub) button on the Remote Control. (The screen may flicker, this is normal.)

5 Press the PAUSE/STILL button again to start both the playback and the Audio dub record.

6 Play the sound from the external equipment.

7 When listening to the tape, use the A.SELECT button to select the required option.
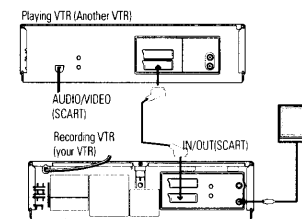
See page 32 for the selection soundtracks.

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# Editing a Video Tape

Using another VTR or external equipment, you can copy a tape.

Playing VTR (Another VTR)

AUDIO/VIDEO (SCART)

Recording VTR (your VTR)    IN/OUT(SCART)

**Important**
It is permissible to record television programmes only in the event that third party copyrights and other rights are not viollated.

When using the IN/OUT (SCART) socket

1 Press the I.SELECT button so that the VTR display shows "L1".

2 Press the SP/LP button to select the recording tape speed.

3 Play the tape on the playback VTR and pess the REC buttons to start recording on this VTR.

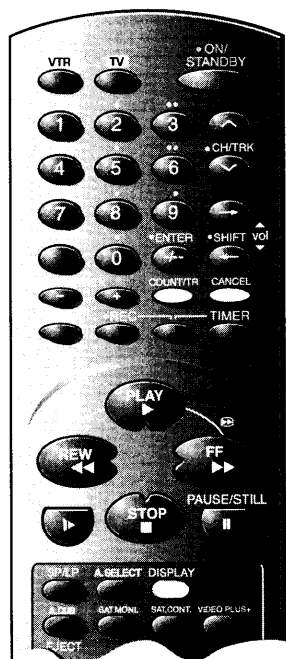4 Press the STOP button on each VTR when copying is finished.

**Note:** The picture quality of the copied tape is slightly less than the original picture quality.
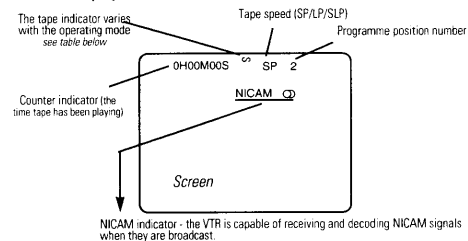
L1 (line1) SCART connection through
IN/OUT (SCART 1) AUDIO/VIDEO

L2 (line2) RCA cable connection through
LINE IN 2 (AUDIO/VIDEO)

SA SCART Connection through
SATELLITE (SCART 2) INPUT

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# On-screen and VTR front panel displays

Pressing the DISPLAY button on the Remote Control when a tape is in PLAY will display the tape indicator on the TV screen. When you insert a tape, the counter will change from the current time to 0H00M00S. Pressing the COUNT/TR button will give you information on the VTR display panel.

## On Screen Displays

The tape indicator varies with the operating mode *see table below*

Tape speed (SP/LP/SLP)

Programme position number

0H00M00S        SP   2

Counter indicator (the time tape has been playing)

NICAM ⊙

Screen

NICAM indicator - the VTR is capable of receiving and decoding NICAM signals when they are broadcast.

| NICAM ⊙ | STEREO TV programme (stereo sound) |
|---|---|
| NICAM I/II | BILINGUAL TV programme transmitted in another language (not available in the UK) |
| UNLIT programme | NO NICAM programme or Normal TV (Monaural sound) |

| | Tape indicator on screen symbol | | Tape indicator on screen symbol |
|---|---|---|---|
| Ejecting a tape | ▲ | Recording | ● |
| STOP | ■ | Recording Pause | II● |
| Fast-forwarding Forward picture search | ►► | Playback | ► |
| | | Pause/still picture Frame advance | II |
| Rewinding Reverse picture search | ◄◄ | Slow Playback | I► |

### Counter – VTR Display

1  By repeatedly pressing the COUNT/TR button on the Remote Control, you will see.

i   The time the tape has been playing.

    CTO VIDEO   *U · UC̗ · IJ* ■■
    S P

ii  TR* - the amount of tape Remaining (approx).

    CTO VIDEO   *TR̗C̗ · IJ* ■■
    S P

iii Programme position number

    CTO VIDEO   *P̗R̗ I* ■■
    S P

iv  The current time

    CTO VIDEO   *IU · UU* ■■
    S P

* Before the tape remaining function can work you must identity the length of tape in play - see page 21

# Index marks and Index searches

Whenever a recording starts, the VTR puts an electronic Index mark on the tape.

An Index search enables you to find the beginning of programmes easily and quickly.

You can put additional Index marks on a tape wherever you like, but *only during a recording*.

You cannot put in Index marks during playback of a tape.

When registering Index marks, always leave at least a 1 minute gap when recording in SP and a 2 minute gap when recording in LP.

Index marks are not registered when the VTR is in pause mode during a recording.

## Making and finding Index marks:

1  To register an Index mark *during recording*, simply press the INDEX + button on the Remote Control.

2  To find the Index marks when a tape is in playback, press the INDEX+ button to search forwards or the INDEX – button to search backwards.

    INDEX SEARCH  ⊢⊣

3  When an Index mark is found the VTR will playback the tape for 5 seconds, after which it will continue searching for the next Index mark.

4  If you want to watch the tape from a particular Index, simply press PLAY.
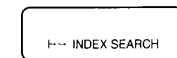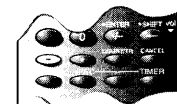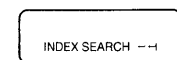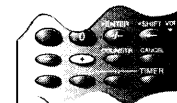
    ⊢⊸ INDEX SEARCH

## Index Skip Search:

This feature will enable you to fast forward/rewind to a specific point on a tape:

*E.g.* if you have recorded 3 different programmes on a tape and you have rewound the tape to the beginning, by using this feature you can go directly to the start of programme 2 simply by pressing the INDEX button.

1  Press the INDEX + to start the Index search.

2  Press the INDEX + button twice more. This will take you directly to the start of the recording/index mark 2. The VTR counter will show the progress of the search.

3  These Index searches can be made forwards:
   (press INDEX +)
   or backwards:
   (press INDEX –).

    SKIP SEARCH   ↓ +02

4  To cancel an Index search simply press the PLAY or STOP button.
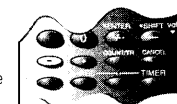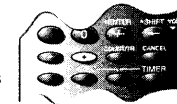
You can skip forward or backward a maximum of 20 Index marks.

## ⁶⁶ ADDITIONAL FUNCTIONS

# Multi-Brand Remote Control

The Remote Control of the VTR can be compatible with various brands of Television by setting the control codes. The TOSHIBA code has initially been set to control TOSHIBA Televisions.

**For some Brands several Control Codes, or Brand Codes are allocated. Try each of them until the buttons on the Remote Control work on the Television. When the Remote Control batteries are replaced, set the Brand Code again.**

### BRAND CODES

| TV Brand Name | Brand Code |
|---|---|
| TOSHIBA | 01, 14, 15, 16, 17, 19 |
| AKAI | 08 |
| BANG & OLUFSEN | 20 |
| BLAUPUNKT | 04 |
| BRANDT | 11 |
| BRIONVEGA | 20 |
| CGE | 19 |
| CONTINENTAL EDISON | 22 |
| FERGUSON | 11, 24, 25 |
| FINLUX | 02, 15, 20 |
| FISHER | 08 |
| FORMENTI | 20 |
| GOLDSTAR | 02 |
| GRUNDIG | 04, 15, 19 |
| HITACHI | 06, 10, 11, 22 |
| IMPERIAL | 19 |
| JVC | 07 |
| LOWEW | 02 |
| LOEWE OPTA | 02, 20 |
| METZ | 20 |
| MITSUBISHI | 02, 09, 14 |
| MIVAR | 19 |
| NOKIA | 21 |
| NORDMENDE | 10, 11, 22 |
| PANASONIC (NATIONAL) | 03, 21, 26 |
| PHILIPS | 02, 18, 20 |
| PHONOLA | 02, 18, 20 |
| PIONEER | 11, 21 |
| RADIOLA | 02, 18 |
| RADIOMARELLI | 20 |
| REX | 21 |
| SABA | 10, 11, 20, 21, 22 |
| SALORA | 21 |
| SAMSUNG | 02 |
| SANYO | 08, 14 |
| SCHNEIDER | 02 |
| SELECO | 21 |
| SHARP | 05, 14 |
| SIEMENS | 04 |
| SINGER | 20 |
| SINUDYNE | 20 |
| SONY | 13, 14 |
| TELEAVIA | 11 |
| TELEFUNKEN | 11, 24 |
| THOMSON | 10, 11, 22 |
| WEGA | 20 |
| YOKO | 02 |

*See the table opposite for the Television Brand Codes.*

**1** Press the TV button on the Remote Control.

**2** Hold down the TV button on the Remote Control and enter the two digits of the TV's Brand Code using the number buttons.

**3** Release the TV button.

**4** With the Remote Control pointing at the Television use each button listed below to ensure that the TV is operated correctly:–
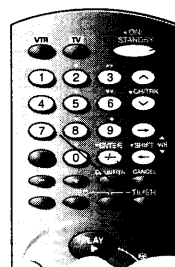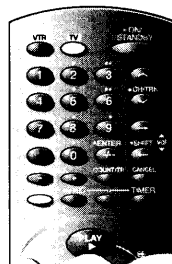
**ON/STANDBY:**
Turns to Television on or off.

**CH/TRK:**
Selects the TV channels up or down.

**VOL:**
Adjusts the sound level.

**Number Buttons and ENTER-/--:**
To select TV channels. The way of use may differ with varying models of televisions.

*E.g.* **To select Channel 3:**
*Press number buttons 0 3*
*or*
*Press number buttons 0 3 and the ENTER button*
*or*
*Press the ENTER button and the number button 3.*

**To select Channel 16:**
*Press number buttons 1 6*
*or*
*Press number buttons 1 6 and then the ENTER button*
*or*
*Press the ENTER button twice and then the number buttons 1 and 6.*

**Note:** Some TVs may not respond to all the operations listed above or may not be operated at all with the VTR Remote Control. In which case operation of the TV will have to be by its own Remote Control.